

**M/V DE HONG**  
**15680BHP OCEAN TUG**

**REGISTRATION**

Flag:	China
Home Port:	Shanghai
Builder:	Donghai Shipyard, Shanghai
Year Built:	2000.7.
Classification	CSA 5/5 TUG OTS RCS
	ORS FF1 ICB2
	CSM AUT-0
Call Sign:	BSCE
Sailing Area:	World-wide
Official Number:	00N3002

**DIMENSIONS**

Length Overall:	96.37 M
Length BP:	84.00 M
Breadth Moulded:	16.40 M
Depth Moulded:	8.40 M
Design Draught :	6.50 M
Draught Loaded (Full):	6.93 M
Displacement (Summer Draught):	5996.5 Tons

**TONNAGE**

Gross Tonnage:	3193 Tons
Net Tonnage:	957 Tons

**DECK CAPACITIES**

Deck Area (Clear):	500 M <sup>2</sup>
Crash Rail:	Hight:1.5M
Deck Cargo:	850 M/T
Deck Strength:	5 T/M <sup>2</sup>

**DECK EQUIPMENT**

Anchor:	2 x Speke anchors, 2640 kg each, plus 1 spare anchor on board
Anchor Chain:	Dia.: 44 mm AM3
Windlass:	1 x 13.27tons, Hydraulic
Tugger winch:	2 x 10 tons each, Hydraulic
Capstan:	2 x 10 tons each, Hydraulic
Hyd. Crane:	1 x (5-10) tons /(8-14)M, 2.5 tons/18M
	Telescope arm Joystick: KAWASAKI KICS - 1000/ 1122 - CCCN
<b>TANK CAPACITY</b>	
P. Water:	390.84 M <sup>3</sup>
D. Water:	778.54 M <sup>3</sup>
F.O.:	2079.23 M <sup>3</sup>
D.O.:	363.76 M <sup>3</sup>
Bulk:	Nil
Liquid Mud:	Nil
All liquid tank fitted with the level monitor and alarm device	
<b>TRANSFER RATES</b>	
P. Water:	8.0 Bar 100 M <sup>3</sup> /hr
D. Water:	8.0 Bar 100 M <sup>3</sup> /hr
Fuel Oil:	8.0 Bar 100 M <sup>3</sup> /hr
Bulk:	N/A
Liquid Mud:	N/A
<b>MACHINERY</b>	
Main Engine:	Kawasaki - MAN B&W 8L40/ 54
	2 x 7840BHP 520r/min, Total: 15680BHP
Main Engine Air Compressor:	2 x 80 M <sup>3</sup> /hr x 30bar
Propeller:	2 x Kawasaki CPP Propellers in Kort Nozzles
Rudders/Steering gear:	2 x streamlined semi-balanced hanging rudders
	2 x Ulstein Tenfiord electric hydraulic steering gear
Generator:	2 x 700KVA, 400 V, 3- phase, 50 Hz
Aux. Engine:	2 x Daihatsu 6DK-20 x 610KW
Shaft Generator:	2 x 1600KVA, 400 V, 3- phase, 50 Hz
Thrusters:	1 Bow Thruster x 660KW, thrust 10 Tons
	1 Stern Thruster x 490KW, thrust 8 Tons
Control:	Joystick: KAWASAKI KICS - 1000/1122 - CCCN
<b>SPEED &amp; CONSUMPTION</b>	
Maximum:	20 Knots , 50 Tons/24 hrs
Economical:	13 Knots, 25 Tons/24 hrs
Towing:	Max.: 45 Tons/24 hrs
Navigation	18 Knots, 45 Tons/24 hrs
<b>TOWING/ANCHOR HANDLING</b>	
Bollard Pull:	185 T

Winch:	250T 2 Drums
Tow Line:	Dia.:75mm , 3 x 1500M
Towing Brake	Brake holding on 1st layer - 400 tons
Anchor Handling:	1 x clutchable drum, Capacity: Dia.75MM x 1500M
	Wire, 2 x decluchable Cable Lifters, one for 3.25" Chain starboard and one for 4" chain port, fitted outside of the anchor handling drum
Chain Locker:	1 x chain locker, 93 Cu. m
Storage Drum:	one storage drum, 10 T, Capacity: 1500M x 75MM Dia. Wire
Rig Chain Gypsies:	1 x 3.25'', 1 x 4'', SWL:100 T
Shark Jaw:	2 OFF, Retractable 500 Tons SWL
	Remote control from wheelhouse and on aft deck
Towing Pins:	2 OFF, Retractable 350mm
Stern Roller	4.4M x Dia. 1.8M, 300T SWL
<b>NAVIGATION/COMMUNICATION</b>	
Gyro Compass:	1 x ANSCHUTE STANDARD 20 PLUS (GM)
Auto Pilot:	1 x ANSCHUTE PILOTSTAR-D
Echo Sounder:	1 x SKIPPER ED - 162
Radar:	1 x ARPA Radar : JRC JMA - 9723 CA-9CA con
	1 x Radar JRC JMA - 9252- 9
Log:	1 x MCDL-1
Weather Fax:	1 x JRC JAX-9A
Satcom :	1 x Inmarsat - B JUE - 310B with high speed fax
	1 x Inmarsat - C JUE - 75C
DGPS:	2 x JRC JLR - 7700
Radio Equipment:	1 x JRC JSS - 710 (800W) with DSC
VHF:	2 x JHS - 32A with DSC
VHF FM two-way:	3 x JHS-7
Navtex:	1 x NCR-300A
Digital Navigation Chart :	JRC JAN - 1290
Search Light:	Fitted with 2 search lights on top of wheelhouse
Fitted with 2 remote cameras on deck and in winch house for anchor handling/towing operation with TV monitors in wheelhouse.	
<b>SAFETY EQUIPMENT</b>	
Ring Buoy:	10
Life Jacket:	94
Life Raft:	4 x 20 persons
Life Boat:	2
Rescue Boats:	1 x reflatable rubber boat with outboard engine
Rescue Net:	Main deck with Scrambling net.
Rescue Zones	on both port & starboard side
Hospital:	1
Radar Transponder:	2
<b>FIRE FIGHTING (FFI)</b>	
Fire Pump Capacity:	3400 M <sup>3</sup> /hr, 120 M throw, drenching system FIFI 1

Monitors:	2 x 1200 M <sup>3</sup> /hr, Controlled from inside wheelhouse
Foam Monitor	
Dispersant Tank	3.03 M <sup>3</sup>
Spray boom:	2 x 3.5M
<b>ACCOMMODATION</b>	
Quarters:	12 x 1 berth, 8 x 2 berth + 1 x 8 berth
Hospital	1
Total Berths:	36, All fully air condition